



-1-

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TECH CENTER 1600/2900

<110> Springer, Barry A.

Pantoliano, Michael W.

Sharp, Celia M.

<120> Analogs of Human Basic Fibroblast Growth Factor Mutated
at One or More of the Positions Glutamate 89, Aspartate 101
or Leucine 137

<130> 1503.0220002

<140> US 09/722,495

<141> 2000-11-28

<150> US 09/220,077

<151> 1998-12-23

<150> US 60/068,667

<151> 1997-12-23

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 483

<212> DNA

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Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro
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aag cgg ctg tac tgc aaa aac ggg ggc ttc ttc ctg cgc atc cac ccc     144
Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro
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gac ggc cga gtt gac ggg gtc cgg gag aag agc gac cct cac atc aag     192
Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys
                50                    55                    60

cta caa ctt caa gca gaa gag aga gga gtt gtg tct atc aaa gga gtg     240
Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val
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tgt gct aac cgg tac ctg gct atg aaa gaa gat ggt cga ctg ctg gct     288
Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala
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Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser
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aac aac tac aac acc tac cgt tcg aga aaa tac acc agt tgg tat gtg     384
Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val
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gca ctt aag cgt acc ggt cag tac aaa ctt ggt tct aag acg ggc cca     432
Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro
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ggt cag aaa gct atc ctg ttc ctg ccg atg tct gct aaa tct tgaggatcc   483
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Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys
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Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val
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Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala
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